

General Index

Illustrated articles are indicated thus* Editorial are indicated thus†

Issues	Page Numbers	Issues	Page Numbers
January	1 to 96	July	655 to 758
February	97 to 196	August	759 to 858
March	197 to 348	September	859 to 976
April	349 to 452	October	977 to 1092
May	453 to 550	November	1093 to 1224
June	551 to 654	December	1225 to 1324

A		B		Buda Company, The:	
Accidents:		Backfill Tamper:		Earth drill.....	*290
Use of loudspeakers at wrecks.....	1053	Le Roi No. 11.....	*302	Gasoline powered generator sets.....	*620
Air Conditioning:		Ballast and Ballasting:		Klinch-Klaw jack, Model 225A.....	*302
Of stations.....	64	Desirability of crib cleaning.....	410	Journal jack Model 2510A.....	*302
Air Reduction Sales Company:		Imported machine cleans entire ballast section.....	*1278	Buildings and Building Work; see also Engineroom, Freighthouses, and Stations:	
Arc-welding electrode, Aircro No. 387.....	1211	Kershaw auger-type cribbing machine.....	*292	Passenger:	
Welding torches.....	*297	Kershaw ballast plow and track dresser.....	*308	Cleaning asphalt tile.....	416
Allied Chemical & Die Corp., General Chemical Division:		Kershaw ballast regulator and dresser.....	*1294	Flooring for small stations.....	942
Weed killer, Formula No. 7.....	*304	Making runoffs for track raises.....	311	Germicidal lamps for toilets.....	68
Allis-Chalmers Manufacturing Company:		New machines big help in Santa Fe's resurfacing program.....	*270	Glass in windows and skylights.....	*520
Centrifugal pump, Type A.....	184	Nordberg Cribbox.....	*290	Lehman asphalt shingle.....	312
Centrifugal pump, "Pedrifugal".....	*71	Pettibone-Mulliken cribbing machine.....	*825	Lessening skylight condensation.....	
Crawler tractor, Model HD-19.....	*296	Power tamping on N.Y.C.	*153	Renewing siding.....	724
Tractor-shovel mounted on HD-5 tractor.....	*296	Power Ballaster.....	*73	Reynolds embossed aluminum roofing and siding.....	*725
Wheel tractor, Model IB.....	*306	Tamping machine from Switzerland.....	*814	Shelters at outlying switches.....	1190
Aluminum:		Thornley cribbing machine.....	*296	United Laboratories floor patch.....	1295
In railway buildings.....	612	Thornley cribbing machine, Model E.....	*308	Uses of aluminum in.....	612
American Brake Shoe Company, Kellogg Division:		Two multiple tampers used on track-raising job.....	*1271	Uses for prefabricated units.....	1051
Paint spray gun.....		Ballast Cleaning:		Waterproofing brick walls.....	820
American Brake Shoe Company, American Manganese Steel Division:		Imported machine cleans entire ballast section.....	*1278	Watertight glass block panels.....	718
Welding rods.....	638	Improved Mole.....	*308	Bulldozers:	
American Chain & Cable Co.:		Machines producing revolutionary changes in.....	*142	Caterpillar, angling type.....	*519
Wire-rope slings.....		Baltimore & Ohio:		Caterpillar, for D-2 tractors.....	*307
American Chain & Cable Co., Page Steel & Wire Division:		Moves large water tank.....	*508	Caterpillar, hydraulic type.....	*296
American Fork & Hoe Co.:		Barber-Greene Company:		Model C Tournapull.....	*826
True Temper rail anchor.....	*944	Car unloader and stockpiler-loader.....	*1312	Model D Roadster.....	*1194
American Gage & Manufacturing Co.:		Barco Manufacturing Company:		Tournadozer.....	*294
One-man hoist.....	*1192	Gasoline hammer, Model H6R.....	*305	Wm. Bros. Boiler & Manufacturing Co.	*72
American Hoist & Derrick Co.:		Gasoline spike driver.....	638		
Diesel-electric locomotive crane.....	*295	Bethlehem Steel Company.....	336, 538	C	
Winch attachment for wheel-type tractors.....		Heat treating special trackwork at the mill.....		Camp Cars:	
American Lumber & Treating Co.:		Mill process for end-hardening rails.....		Disinfection of.....	512
American Railways Bridge and Building Association:		B. L. Montague Company, Inc.		Fire protection for.....	819
Association.....	78, 178, 330, 426, 528, 628, 746, 838, 1204, Annual convention to be held.....	Black & Decker Manufacturing Co.:		Methods of heating.....	1291
Committee reports.....		Quick-Saw arm.....		Canadian National:	
Conventions—attendance of younger men desirable.....	*914	Bludworth Marine:		Bridge piers on viaduct over Twelve-Mile river.....	*56
Program for 1948 convention.....	*931	Depth recorder for underwater surveys.....		Flame-cleaning bridges on.....	*509
Report of 1948 convention.....	*1161	Boilers:		Flame-cleaning turntable on.....	*510
The conventions—what did you get out of them?.....	*1022	Elimination of silica scale in.....	*711	Car Unloader:	
Value of membership in American Railway Engineering Association.....	938	Book Reviews:		Barber-Greene Company.....	*307
78, 174, 330, 428, 528, 627, 746, 842, 952, 1066, 1202, Abstract of Committee report on treating water for Diesel locomotives.....	1309	Caterpillar Tractor Company.....	184, 848		
Abstract of Committee report on use of 9-ft. crossties.....	*1164	Angling type bulldozers.....	*519		
Associations—a study of membership and convention attendance figures.....		Hydraulic bulldozers.....	*296		
Photographs taken at convention.....	*391	Small bulldozers for D-2 tractors.....	*307		
Program for 1948 convention.....	*400	Use of D-8 tractor on bridge-filling job.....	*817		
Tie-wear test of on L. & N. Urgers attend at annual meeting Value of membership in American Society of Civil Engineers.....	*287	Chain Drives:			
American Steel Dredge Company, Wayne Crane Division:		Link-Belt Company.....	*728		
Anchor Spikes; see Spikes:		Champion Rivet Company.....			
Anti-Creepers:		Railroad welding electrodes.....	618		
American Fork & Hoe Co., True Temper.....	*944	Chapman Chemical Company:			
G & H Rail Controls, No-Creep.....	*946	Penta Weed Killer.....	*617		
Improved Gantier.....	*418	Chesapeake & Ohio:			
McBeth anchor spike.....	*166	Tests effect on signal circuits of CZC-treated bridge ties.....	*1026		
Arco Company:		Chicago & North Western:			
Arco Drainage & Metal Products, Inc. A. P. De Sanno & Sons, Inc. Atchison, Topeka & Santa Fe:		Hydrants for watering coaches.....	*598		
Imported machine cleans entire ballast section.....		Remodeling of station at Mankato, Minn.	*154		
New machines big help in resurfacing program.....	*270	Chicago, Burlington & Quincy:			
Use of 9-ft. crossties on.....	*394	Maps roadbed conditions with power augers.....	*593		
Atlantic Coast Line:		Chicago Pneumatic Tool Company:			
Concrete piles for water tub Use of 9-ft. crossties on.....	*1025	Utility winch.....	*295		
	*394	Chipman Chemical Company:			
		Chemical for brush control.....	417		
		Clark Equipment Company; Celfor Tool Division:			
		Tie boring bit.....	*310		
		Coal Supplies:			
		Contracting for.....	1188		
		Compressors:			
		Davey Air Chief Electrics.....	*618		
		Davey truck mounted.....	*308		
		Ingersoll-Rand No. 3-R-30.....	*299		
		Joy Manufacturing Company.....	*70		
		Le Roi portable.....	*294		
		Pennsylvania tamps track with large crawler compressor.....	*497		
		Schramm attachments for Model 60 crawler.....	*617		
		Schramm crawler-mounted.....	*294		
		Spot tampers for section gangs on N. P.	*1028		

Concrete:		Trucks for water service men.....	616	Railway Track-work Model P-45.....	*417
How to get better concrete on the railroads:		Selfishness—must give way in interest of all.....	1149	Hisey-Wolf, for rail drills.....	*1058
Basic principles.....	*396	Using work trains overtime.....	314	Grouting and Grouting Equipment:	
Curing and protection.....	*815	Will to work—an essential to the well-being of every employee.....	1021	An effective antidote for sliding fills.....	*392
Manufacturing procedure.....	*712	Winter work for bridge forces.....	1291	Hebard Off-Track Grouter.....	*1059
Proportioning the mix.....	*603	Engines:		Ransome grout mixer-ejector.....	*1192
Selection of materials.....	*504	Wisconsin, Models TE and TF.....	*166	To stabilize embankment slides.....	65
Making salt-resistant types.....	158	Enginehouses:		Use of various admixtures for.....	517
Sika protective coating for.....	*728	Types of doors for.....	513	Gulf, Mobile & Ohio:	
The concrete problem.....	1163	Ventilating Diesel repair shops.....	1052	Renewing trackwork at interlocking.....	*155
Uses for cinder-type.....	315	Ennis Supply Company:			H
Use of salt on.....	620	Portable heater.....	*72		
Using present knowledge of, as research goes on.....	*392	Erie:		Heating:	
Construction:		Special technique simplifies cover-plate renewal job.....	*1274	Ennis portable heater.....	*72
In 1947.....	*46	Use of special injector for repairing bridge seats.....	*717	Methods of heating camp cars.....	1291
Costs:		Expenditures:		Uses for finned-pipe radiators.....	1187
Accounting for.....	167	For construction in 1947.....	*45	Heat Treatment:	
In 1947.....	*45	For maintenance in 1947.....	*46	Bethlehem mill process for end-hardening rails.....	*726
Problem of, supervisors need fresh point of view.....	*1150	For materials, supplies and fuel.....	622	Of special trackwork at the mill.....	*596
Reduction of, by railroad contractor.....	*278	For work equipment in 1947.....	*47	Of switch points.....	*717
Rising wages create need for re-examining many problems.....	*496	To hit all-time high in 1948.....	622	Henry Dbaston & Sons, Inc.:	
Supervisor's relation to.....	*1159			Heavy-duty chain saw.....	*1294
Two flame-cleaning jobs—a study of costs.....	*1283	F		Improved chain saw.....	*300
Cranes:		Fabreka Products Company:		One-man chain saw.....	*725
American Diesel-electric.....	*295	Fabreko tie pads.....	*71	Hisey-Wolf Machine Company:	
Industrial Brownhoist Diesel-electric.....	*295	Fabreko tie pads.....	*84	Rail drill grinder.....	*1058
Theew dual-control.....	*73	Fairbanks, Morse & Co.:		Pow'r Pull.....	*1192
Theew Moto-crane.....	*295	Cabs for motor cars.....	336	Hollup Corporation:	
Cribbing Machines:		Fairmont Railway Motors, Inc.:		Arc-welder.....	*292
Kershaw auger-type.....	*292	Inspection car, push cars and trailers.....		Homelite Corporation:	
Nordberg Cribex.....	*290	Motor car cabs and windshields.....		Dual-purpose generator.....	*727
Pettibone-Mulliken.....	*825	Oil sprayer with weed sprayer attachment.....		High-cycle electric chain saw.....	*290
Thornley.....	*296	Weed spray car, Model 66.....		Homestead Valve Manufacturing Company:	
Thornley, Model E.....	*308	Fires:		Jenny Steam Cleaner.....	*310
D		In railroad fills.....	941	H. T. Kennedy & Co.:	
Davey Compressor Company:		Fire Prevention:		McBeth anchor spike.....	*166
Air Chief Electric compressors.....	*618	At camp cars.....	819	Hurricane:	
Truck-mounted compressors.....	*308	At fuel oil facilities.....	415	Damage to L. & N.	*146
Dearborn Chemical Company:		In railroad fills.....	941	Hyster Company, The:	
No-Ox-Id joint-bar filler.....	*418	Flame Cleaning:		Combination dragline, clamshell and crane for Caterpillar tractors.....	*295
Depth Recorders:		A tool for B. & B. forces.....	*509	Shovel and hoe attachment.....	*1194
Use of for railway underwater surveys.....	*708	Of bridges on C. N. R.	*509	I	
Derricks:		Of a turntable on C. N. R.	*510	Illinois Central:	
Kershaw hand-operated.....	*519	Of rails to prevent joint-bar "freezing".....	*925	Applying buck plates at switches.....	*1277
Detector Car:		Of two bridges on the Southern.	*1283	Independent Pneumatic Tool Co.:	
Teleweld, Inc., develops.....	*825	Procedure and equipment for....	*509	Concrete breaker.....	*1296
Diesel Engines:		Shows gains in maintenance field.....	*914	Thor "Silver Line" 1/2-in. electric drill.....	*1193
Dirt-free operation of.....	*812	Flame Hardening:		Industrial Brownhoist Corporation:	
Diesel Locomotives:		Of frogs.....	*51	Diesel-electric locomotive.....	*295
Effect of on water service.....	412	Of rail ends.....	515	Ingersoll-Rand Company:	
Maintaining curves for.....	615	Flangeway Cleaners:		Air-powered generator.....	*638
Poage water column for.....	*725	Woolery off-track.....	*1191	All-purpose tool kit.....	*519
Solving the Diesel water problem on a northern line.....	*1286	Woolery on-track.....	*1191	Electric impact tool.....	*294
Treating water for.....	*407	Floors; see Buildings and Building Work:		Model MT4 tie tamping tool.....	*1296
Water problem of.....	*496	Freighthouses:		Pneumatic paving breaker.....	*292
Worthington Water treatment for....	*70	Effect of mechanization on design of.....	941	Spot-Air compressor.....	*299
Why deaerate feed water for steam generators?.....	721	Frogs:		Use of No. 3-R-30 compressors for spot tamping on N. P.	*1028
Ditchers and Ditching:		Flame hardening of.....	*50	Inspection Cars:	
Use of Gradall.....	*715	Grinding of.....	514	Yesterday and today on M-K-T.....	*609
Dow Pneumatic Tool Company:		G		International Harvester Company, Industrial Power Division:	
Pneumatic hammer.....	*292	Gage and Gaging:		Model TD-18 Diesel tractor.....	*1195
Drainage:		Nordberg gaging tool.....	*943	International Nickel Company.....	966
At track pans on N. Y. C.	*500	Gaging machine on PRR.....	*1151	J	
Drills:		G & H Rail Controls, Inc.:		Jacks, Bridge:	
Thor "Silver Line" electric 1/2-in.	*1193	No-Creep rail anchor.....		Buda Model 225A.....	*302
Mall rail.....	*292	Lightweight welder.....		Templeton, Kenly Model 310.....	*291
Nordberg Model CD.....	*298	Generators:		Templeton, Kenly jack support.....	*828
D. W. Onan & Sons, Inc.:		Homelite, dual-purpose.....		Templeton, Kenly push and pull.....	*1192
Lightweight power plants, AAE Models.....	1312	Ingersoll-Rand air-powered.....		Jacks, Journal:	
Power Plant Model 5CK-115M.....	*1058	Mounted on Kalamazoo motor car.....		Buda Model 2510A.....	*302
Duff-Norton Manufacturing Company:		Onan AAE Models.....		Duff-Norton "Shorty".....	*1193
Lo-Hite jack.....	*300	Onan Diesel-operated.....	*304	Duff-Norton 25-ton hydraulic and "Lo-Hite".....	*300
Shorty jack.....	*1193	Waukesha Diesel-operated.....		Jacks, Track:	
Track jack, Model 117A.....	*300	Willson Products, Inc.		Duff-Norton Model 117-A.....	*300
E		Gorman-Rupp Company:		Templeton, Kenly No. A-17.....	*944
Earth Drills:		Midget, Hawk and Eagle light-weight pumps.....		Templeton, Kenly No. 15-A.....	*521
Buda.....	*290	Grading and Grading Equipment:		Jari Products Inc.:	
Use of on C. B. & Q.	*593	Caterpillar angling type bulldozer.....		Power scythe.....	166
Eaton Manufacturing Company:		Caterpillar bulldozer for D-2 tractors.....		Joint Bars:	
Hy-Crome spring washer.....	*417	Caterpillar hydraulic bulldozer.....		Bolted connectors at insulated joints.....	818
Electric Tamper & Equipment Co.:		Hystaway dragline, clamshell and crane.....		Design of.....	1031
Multiple tamping machine.....	*291	Hystaway shovel and hoe.....		Flame cleaning rail ends to prevent "freezing" of.....	*418
Soil Compactor.....	*298	Model C Tournapull.....		No-Ox-Id joint-bar filler.....	*925
Electrodes:		Model D Roadster.....		Joy Manufacturing Company, Sullivan Division:	
Aircro No. 387.....	618	N. C. & St. L. improves right-of-way.....		Unitair compressors.....	*70
Champion Railend.....	618	Replacing trestle with fill on S. P. & S.		K	
Lincoln Faceoff No. 1 and Face-weld No. 12.....	1295	Tournapull.....		Kalamazoo Manufacturing Company:	
Employees: see also Supervision:		Tournapull.....		Motor Car with generator.....	*620
Bridge and building laborers.....	723	Tractomotive Corporation shovel attachment.....		Kershaw Company, Inc.:	
B. & B. gangs must be fully mechanized.....	*810	Tractor-shovel mounted on H-D-5 tractor.....		Ballast regulator and dresser.....	*308
Differing practices—based on performance or prejudice?.....	*802	Wm. Bros Bulldozer.....		Ballast regulator and dresser.....	*1294
Labor disputes cannot be allowed to cripple the country.....	*591	Graham Tie Dowel Service Company:		Cribbing machine.....	*292
Passenger service employees can help pull out of doldrums.....	*1269	Tie doweling machine.....		Hand-operated derrick.....	*519
Rising wages—create need for re-examining many practices.....	*496	Grinders:		Koppers Company, Inc.	638, 1312
To house or haul labor recruits.....	719	Care in use of grinding wheels.....	*1295	L	
		Mall rail.....	*291	Labor, see Employees:	
				Lamps:	

Germicidal lamps for toilets	1293	New York Central:	In track pan area on N.Y.C.	*928
U-C Lite Model 312	*1059	Installs continuous rail in track pan area	Renewing ties before.....	611
U-C Lite Models 801 and 802	*728	Power tamping on.....	Through switches.....	163
LaPlant-Cheote Manufacturing Company	186	Track pans need sand drainage.....	Use of power gaging machine on PRR.....	*1151
L. B. Foster Company	966	Waterproofs track on Niagara arch	With two gangs.....	610
Lee Engineering Company	1211	New York, Chicago & St. Louis:	Rail Lubricator:	*1056
Lehon Company:		New and old bridges shifted in one operation	Meco Type MBJ.....	
Asphalt shingle	*520	Nordborg Manufacturing Company:	Railroads; see Expenditures, Employees, Operations, etc.:	
Le Rei Company, The:		Cribbing machine.....	Another war?.....	†495
Backfill tamper No. 11	*302	Model CD rail drill.....	Face demands for increased wages.....	730
Clay spade Model 31	*946	Trakgager.....	Federal control ends.....	830
Portable air compressor	*394	Norfolk & Western:	Good will.....	†141
Swing loader for 105 Tractair	*520	Restores flow in clogged pipelines.....	Government ownership proposed by labor leaders.....	†701
Letters to Readers from Editor:		Northern Pacific:	Is equipment outstripping developments in fixed properties.....	†801
Adequate reporting our job	490	Ploughing fire guards on.....	Labor disputes.....	†591
Another service to you	796	Solving the Diesel water problem on.....	Passenger service—employees can help pull it out of doldrums.....	†1269
A real opportunity	696	Spot tamper for section gangs on.....	Selfishness must give way in interest of all.....	†1149
A suggestion to "pass-along" readers		Norwegian State Railways:	The next 100 years.....	†913
Best and first	1144	Make scientific attack on heaving track	Railroad Accessories Corporation.....	966
Exhibits don't "just happen"	40	O	Railroad Fair.....	*929
Expanded readership	136	Ohio Electric Manufacturing Company:	Fair facts.....	*932
Our shoulder to the wheel	908	Lifting magnet.....	Fair map and guide.....	*933
Our "What's the Answer?" columns	1016	Oil Sprayers:	Railroad Products Company:	*725
Selling the railroads	586	Fairmont W61 Series B.....	Poage Diesel water column.....	
Serving two masters	260	Woolery off-track joint oiler.....	Railway Maintenance Corporation:	
Your thoughts solicited	1264	Operation:	Improved Mole ballast cleaner.....	*308
Lexington Supply Company:	386	Good yard maintenance essential.....	Railway Tie Association.....	.954, 1204
Waterproofing fabric	*727	Ottawa Manufacturing Company:	Railway Track-work Company:	
Line Marker:		Buzz Master saw outfit.....	Model P-45 rail grinder.....	*417
By Universal Manufacturing & Sales Co.	*1195	Oxyacetylene Flame:	Model P-43 rail drill.....	*1058
Lincoln Electric Company:		For flame cleaning.....	Ralston Purina Company:	
Faceweld No. 1 and No. 12 electrodes		*509, *925, *914, *1283	Weed killer for woody plants.....	*165
Link Belt Company:	1295	For flame hardening.....	Ranetite Manufacturing Company:	186
Silent chain drives	*728	In track work.....	Ransome Machinery Company:	
Link-Belt Speeder Corporation	1211, 1312	Oxweld Railroad Service Company	Grout mixer-ejector.....	*1192
Littleford Bros., Inc.:			Reade Manufacturing Company:	
Portable roller	*292	P	Track lining tool.....	*1057
London, Midland & Scottish:			Reading:	
Test of prestressed concrete ties	*606		Provides better coach-watering facilities.....	*926
Louisville & Nashville:			Reynolds Metals Company:	1211
A.R.E.A. test on tie wear	*703		Embossed aluminum roofing and siding.....	*725
Hurricane damage to	*146		R. G. Le Tourneau, Inc.:	638
Renewal of West Pascagoula River bridge	*703		Model C Tournapull.....	*826
Loud-Speakers:			Model D Roadster.....	*1194
Use of at wrecks			Tournapull.....	*294
M			Ric-Wil Company:	*296
Mack Welding Company:			Insulated pipe units.....	
Tongs for handling ties and timbers	*306		Roadbed; see also Stabilization of Roadbed:	*420
Magnets, Lifting:			Building driveways on right-of-way.....	1289
Ohio Electric	*521		Fires in fills.....	941
Magnus Chemical Company, Inc.	1080		Minimizing dusty tracks in towns.....	413
Maintenance of Way:			N.C.&S.L. uses modern machines to improve right-of-way.....	*1155
Deferred maintenance	62		Norse make scientific attack on heaving track.....	*404
In 1947	*45		Roadmasters and Maintenance of Way Association:	
Maintenance of Way Club of Chicago			78, 174, 330, 426, 528, 627, 842, 1204,	
78, 176, 328, 426, 528, 628, 1066, 1204,	1310		Annual convention to be held.....	*929
Maintenance Equipment Company:			Committee reports.....	*1032
Meco Type MBJ lubricator	*1056		Conventions—attendance of younger men desirable.....	*1022
Mail Tool Company	440,		Program for 1948 convention.....	*914
Rail grinder	966		Report of 1948 convention.....	*931
Rail drill	*291		The conventions—what did you get out of them?.....	*1029
Masonry:			Value of membership in	938
Durability tests of coatings for	*54		Roberts & Schaefer Co.:	538
Sika protective coatings for	*728		Rollers:	
Master Pneumatic Tool Company, Inc.:			Littleford Bros., Inc.:	*292
Master Model M-205 sealing hammer	*946		Speed paving work at widely scattered locations.....	*395
Matisa Equipment Corporation:			Roofs; see Buildings and Building Work	
Tamping machine	*814		Ross & White Co.:	
McCulloch Motors Corporation:			Small steam sand dryer.....	*520
Chain saw			Rust-Oleum Corporation.....	1211
Metropolitan Maintenance of Way Club			S	
78, 172, 228, 426, 528, 626, 746, 1068,	1309		Safety:	
Michigan Power Shovel Company	84,		Desirability of safety shoes.....	887
Mid-West, Forging & Manufacturing Company:	538		Effect of mechanization on.....	1031
Goutier rail anchor	*418		Mechanization changes many problems.....	*283
Mines Safety Appliances Company:			Positive approach may be what safety programs need.....	
Powder-actuated rail punch	*293		Scenes from S. P. film.....	*502
Missouri-Kansas-Texas:			Sanding Plants:	
Yesterday and today in official inspection cars	*609		T. W. Snow unit.....	*419
Missouri Pacific:			Ross & White steam sand dryer.....	*520
Use of off-track weed burner on			Saws:	
Motor Cars:			Black & Decker Quick-Saw arm.....	*301
Fairbanks-Morse cab for	*290		Dissston chain.....	*1294
Fairmont cabs and windshields for	*419		Homelite chain.....	*290
Fairmont inspection	*297		McCulloch chain.....	*1194
Kalamazoo generator equipped	*620		Ottawa Buzz Master saw outfit.....	*828
Safe operation of	*59		Stanley Works adjustable saw track.....	*293
Woolery, with flangeway cleaner	*1191		Schramm, Inc.:	
N			Backfill blade.....	*617
Nagle Pumps	848		Crawler-mounted compressor.....	*294
Nashville, Chattanooga & St. Louis:			Power take-off.....	*617
Uses modern machines to improve right-of-way	*1158		Section Gangs:	
National Aluminum Corporation	1080		Use of spot tamers on N.P.	*1028
Nalco Meterchem, flow control valve			S. G. Taylor Company:	
Nalco Type M flow switch	172, 332, 426, 528, 626, 838,		Equalizing sling; magnet chain assembly.....	*890
Plans record exhibit during A.R.E.A. meeting			Sika Chemical Corporation:	84,
Readers invited to exhibit			Protective coatings.....	*728
With a candid camera at the exhibit				

Skilsaw, Inc.:	
Pneumatic screw driver.....	*293
Slings:	
American Chain & Cable unit.....	*420
Taylor Chain Company unit.....	*309
Smoothon Manufacturing Company.....	966
Snow and Snow Removal; see Winter:	
Soil Compactor:	
Jackson Model L.....	
Southern:	
Roadbed stabilization by sand-pile method.....	
Roadbed stabilization by sand "shot" method.....	*803
Two flame-cleaning jobs—a study of coats.....	*1283
Southern Pacific:	
Scenes from safety film.....	
Spikes:	
McBeth anchor spike.....	*166
Spike Drivers:	
Barco gasoline operated.....	*305
Spokane, Portland & Seattle:	
Replacing trestle with fill.....	
Stabilization of Roadbed:	
GROUTING of embankment slides.....	65
Making subsoil investigations.....	822
Methods of surfacing soft spots.....	63
Sliding fills—gROUTING proving an effective antidote.....	
Subsurface surveys needed as guide.....	*392
Use of sand piles on Southern.....	*592
Use of sand "shots" on Southern.....	*803
Use of subsurface surveys on C.B.&Q.	*593
Stanley Works, The:	
Adjustable saw track.....	
Stations, Passenger:	
Air conditioning of.....	64
Colors for interiors.....	164
Flooring for small stations.....	942
Remodeling of C.N.W. station at Mankato, Minn.	*154
Steam Cleaner:	
By Homestead Valve Manufacturing Company.....	*310
Stockpiling-Loader:	
Barber-Greene unit.....	*307
Stonhard Company.....	186, 538,
Stringlining:	
Calculating the throws.....	*918
How to calculate a simple curve.....	*1154
Maintaining curves with a string.....	*806
More difficult solutions explained.....	*1280
Submarine Signal Company:	
Depth recording equipment.....	*708
Supervision:	
Advice to supervisors.....	1031
Cost problem—supervisors need fresh point of view.....	*1150
How much should track gangs have.....	*1022
Supervisors and maintenance costs.....	*1159
Knowledge of off-line practice is helpful.....	*802
Surveys and Surveying:	
Aerial, railway uses for.....	720
Burt quadrant transit.....	*944
Making subsoil investigations.....	822
Subsurface surveys needed as guide for stabilization work.....	*592
Subsurface investigations on C.B. & Q.	*593
Underwater surveys with echo soundings.....	*708
Switches:	
Applying buck plates at.....	*1277
Grinding of.....	514
Reflectorized targets for.....	65
Test of heat-treated points.....	*717
Using shop-drilled stock rails.....	1050
Switch Heater:	
Remote controlled.....	1052
Rails Company electronic igniter.....	*301
Rails Company kerosene burning.....	*1193
Rails Company Rail-Tel.....	*293
Syntron Company, The.....	186, 1080
T	
Tamping Machines:	
Jackson Multiple Tamper.....	*291
Matisa machine.....	*814
Power Ballaster.....	*73
Use of on Santa Fe.....	*270
Two Multiple Tamers used on B.&M.	*1271
Tanks:	
Concrete piles for water tub on A.C.L.	*1025
Moving large water tank on B.&O.	*508
Straightening of.....	824
Taylor-Wharton Iron & Steel Co.	440
Teleweld, Inc.:	
Rail flaw detector car.....	*825
Templeton, Kenly & Co.:	
Aluminum track jack, No. A-17.....	*944
Bridge jack with chain and bolt puller.....	*291
Push and pull jack, Models 5 and 6.....	*1192
Safety jack support, No. JS-1.....	*828
Three-purpose track jack, Model 15A.....	*521
Tempo Products Company:	
Powder-actuated drivers.....	*521
Tests:	
A.R.E.A. tie-wear tests on L.&N.	*703
Effect on signal circuits of C.Z.C. treated bridge ties.....	*1026
Must be conducted on systematic basis.....	*592
Of heat-treated switch points.....	*717
Of masonry coatings.....	*54
Of prestressed-concrete crossties by British Railways.....	
The Shovel Company.....	
Dual-control crane.....	
Dual-control Moto Crane.....	
Thornley Railway Equipment Company:	
Cribbing machine.....	
Cribbing machine, Model E.....	
Ties:	
A.R.E.A. tests on tie wear.....	
British test prestressed concrete ties.....	
Machine for doweling ties.....	
Nine-foot crosstie gets clean bill of health.....	
Renewing ties before laying rail.....	
Using tie saws to renew.....	
Wear of now under attack.....	
Tie Cutters:	
Woolery machines.....	*291
Use of to renew ties.....	
Tie Pads:	
Fabreka Fabco.....	
Tie Plates:	
Desirable bottoms for.....	
Tie Tamers:	
Racing Unit Tie Tamper.....	
Ingersoll-Rand tampering gun.....	
Timber; see also Trestles:	
Brushing preservatives on.....	
Weed control near storage areas.....	
Timber Engineering Company:	
Teco segmental washer.....	
Tongs:	
Mack unit for handling ties and other timbers.....	
Tools, Hand and Power:	
American Gage one-man hoist.....	
Barco gasoline hammer, Model H6B.....	
Barco gasoline spike driver.....	
Black & Decker Quick-Saw arm.....	
B.B. & G. gangs must be fully mechanized.....	
Buda earth drill.....	
Buda jacks.....	
Care in use of grinding wheels.....	
Clark tie-boring bit.....	
Dow pneumatic hammer.....	
Dissom chain saws.....	*300
Duff-Norton jacks.....	*300
Hisey-Wolf nail drill grinder.....	*1058
Homelite chain saw.....	
Independent Pneumatic concrete breaker.....	
Independent Pneumatic electric $\frac{1}{2}$ in. drill.....	
Ingersoll-Rand all-purpose tool kit.....	
Ingersoll-Rand electric impact tool.....	
Ingersoll-Rand paving breaker.....	
Ingersoll-Rand tie-tamping gun.....	
Jackson Model L soil compactor.....	
Jari Products power scythe.....	
Just as important as large machines.....	
Le Roi backfill tamper.....	
Le Roi clay spade.....	
McCulloch chain saw.....	
Master Pneumatic scaling hammer.....	
Mall rail drill.....	
Mall rail grinder.....	
Mines Safety Appliances powder-actuated rail punch.....	
More power tools—cry of B.B. forces.....	
Nordberg rail drill.....	
Nordberg Trakzager.....	
Power tools on the job.....	
Racing unit tie tamper.....	
Railway Track-Worl rail drill.....	
Railway Track-Work rail grinder.....	
Reade track liner.....	
Skilsaw pneumatic screw driver.....	
Stanley Works adjustable saw track.....	
Templeton, Kenly jacks.....	
Templeton, Kelly jack support.....	*291, *521, *944
Tempo powder-actuated drivers.....	
Universal line marker.....	
Woolery tie cutters.....	*291, *727
Track and Track Work:	
Distribution of emergency rail.....	
Machines—output is basic factor in selection.....	
Maintaining curves for Diesels.....	
Making runoff for raises.....	
Methods of surfacing soft spots.....	
Nordberg track gaging tool.....	
Norse make scientific attack on heaving track.....	
Opportune time to dress.....	
P.R.R. tamper with large crawler compressors.....	
Providing emergency lighting.....	
Reade track lining tool.....	
Removing little-used crossovers.....	
Runoff elevations on curves.....	
Spot tamper for section gangs on N.P.	
Stringlining curves:	
Calculating the throws.....	*918
How to calculate a simple curve.....	*1154
Maintaining curves with a string.....	*806
More difficult solutions.....	*1280
Supervision—How much should track gangs have?.....	*1022
Two Multiple Tamers used on track-raising job.....	*1271
Ways of sighting track raises.....	511
Trackwork, Special:	
Heat treating special trackwork at the mill.....	
Renewal of trackwork at interlocking.....	
Track Scales:	
Maintenance of.....	
Track Supply Association.....	819
78, 174, 528, 627, 742, 842, 1310	
Extensive joint display.....	*934
Joint exhibit to be held.....	*929
Two supply groups hold exhibit and annual meeting.....	
Tractormobile Corporation:	
Tractor-shovel attachment.....	*296
Tractors:	
Allis-Chalmers Model IB.....	
American winch attachment for wheel-type tractors.....	*1058
Caterpillar D-8 used on bridge filling job.....	*817
Hystaway combination dragline, clamshell and crane attachment.....	*295
Hystaway shovel and hoe attachment.....	*1194
International TD-18 Diesel crawler.....	*1195
Swing loader for Le Roi 105 Tractor.....	*520
Tractormobile shovel attachment.....	*296
Traffic:	
Eastern passenger fares go up.....	830
Freight rate increase.....	622
In 1947.....	*45
Passenger service—employees can help pull it out of doldrums.....	
Third quarter freight loadings to be higher.....	
Transit:	
Burt quadrant.....	
Trestles:	
Replaced with fill on S.P.&S.	*817
Turntables:	
Flame cleaning of on C.N.R.	*510
T. W. Snow Construction Company:	
Small sanding plant.....	*419
U	
U-C Lite Manufacturing Company:	
Big Beam auxiliary lamps.....	
Big Beam hand lamps, Model 312.....	*1059
Universal Manufacturing & Sales Co.:	
Line marker.....	*1195
United Laboratories, Inc.	186, 440
Floor-patching material.....	1295
W	
Wages: see Employees:	
In 1947.....	
Labor disputes.....	*45
Railroads face demands for increased wages.....	
Rising wages—create need for re-examining many practices.....	
Walls: see also Buildings:	
Walls; see also Buildings:	
Walter Maguire Company, Inc.	336
Warner & Swasey Company:	
Use of Gradall in ditching.....	*715
Washers:	
Hy-Crome Spring.....	
Teco Segmental.....	*618
Waterproofing Fabric:	
Lexington Supply Company.....	*727
Water Service; see also Pipes, Pipe Cleaning, Tanks and Water Treatment:	
Cleaning pipe lines on N.W.	*709
Concrete piles for water tub on A.C.L.	
Damage to water columns.....	*1025
Diesel's effect on.....	1292
Diesel water column.....	412
Hydrants for watering coaches on C.&N.W.	*725
Meaning of "hungry" water.....	*598
Moving large water tank on B.&O.	68
Nalgo Meterchem flow-control valve.....	*508
Nalgo Type M. flow switch.....	*520
Preventing incrustation in pipes.....	1187
Reading provides better coaching facilities.....	
Repairing water-service equipment.....	*926
Requirements of conduit systems.....	816
Solving the Diesel water problem on a northern line.....	
Straightening water tanks.....	824
Supplying good drinking water.....	161
Track pans need good drainage.....	*500
Treating water for Diesel locomotives.....	
Trucks for water-service men.....	616
Use of altitude valves.....	160
Water problem.....	
Worthington water treatment for Diesels.....	*70
Why deteriorate feedwater?.....	721
Water Treatment:	
Elimination of silica scale in boilers	515
Meaning of "hungry" water.....	68
Nalgo Meterchem flow-control valve.....	*419
Nalgo Type M. flow switch.....	*520
Solving the Diesel water problem on a northern line.....	*1286

Treating water for Diesel locomotives	*407	Willson lightweight welding helmet	*943	Tie cutter	*291
Water problem	*496	Wilson arc welder	*310	Tie cutter, Model N	*727
Worthington water treatment for Diesels		W. F. Hebard & Co.: Off-track grouter	*1059	Weed burner	*293
Why generate feedwater?	721	Winter:		Weed burner, Model PB-37	*302
Waukesha Motor Company: Diesel-operated power units	*306	Extending a snow broom's life	1290	Work Equipment:	
Weeds and Weed Destroyers: Allied Chemical & Die Formula No. 7	*304	Fighting snow in Canada	1032	Contractors use of	*266
Chapman Penta Weed Killer	*617	Remote-controlled switch heaters	1052	Essential to railroad operations	*265
Chipman, 2, 4-D	417	Shelters at outlying switches	1190	Improved right-of-way on N.C. & St.L.	*1158
Control of weeds near timber storage	823	Rails Company switch heaters	*293	March of machines—A review	*290
Do weed burners damage ties?		Rails Company electronic igniter for gas switch heaters	*1193	Output is basic factor in selection of	
Fairmont weed spray attachment for oil-spray car	*1057	Wm. Bros. Boiler & Manufacturing Co.:	*301	Purchases of, to continue at high level	*1150
Fairmont weed spray car	*303	Hydraulic bulldozer	*72	Railroad contractor cuts costs with Railways spent \$19,100,000 for in 1947	*278
Jari Products power scythe	166	Willson Products, Inc.:		Seasonal shifting of	*47
Ralston Purina weed killer for woody plants	*165	Germicide for equipment sanitation	*1193	Success of depends on gang organization	723
Use of off-track weed burner on M.P.	*508	Welding helmet	*943	Work Trains:	
Ways to control woody growths	162	Wilson Welder & Metals Co.:		Overtime work	314
Woolery off-track weed burner	*302	Arc-welding machine	*310	Worthington Pump & Machinery Corp.:	
Woolery weed burner	*293	Winches:		Water treatment for Diesels	*70
Welding and Welding Equipment:		American attachment for wheel-type tractors	*1058	Rotary pumps	*294
Air Reduction electrode	618	Chicago Pneumatic unit	*295	Wrecks:	
Air Reduction torches	*297	Wisconsin Motor Corporation:		Use of loud-speakers at	1053
American Brake Shoe welding rods	*1056	Engines, Models TE and TF	*166	Wyoming Tie & Timber Co.:	
Champion Rivet electrodes	618	Wood Preservation:		Monument erected to honor "tie hacks"	*1200
General Electric welder	*1059	Better wood protection	1163	Y	
Hollup Corporation arc-welder	*292	Brushing preservatives on timber	516	Yards:	
Lincoln Electric electrodes	1295	Nearly hits record in 1947	*1285	Classification-yard maintenance	414
N.Y.C. installs continuous rail in track pan area	*928	Tests effect on signal circuits of CZC-treated bridge ties	*1026	Good maintenance of essential to good operation	*143

PERSONAL MENTION

Photographs are indicated thus* Obituaries are indicated thus†

A

Acker, W. J.	*82	Beeler, John C.	624	Brunner, K. C.	832
Ackerman, R. F.	834	Beemer, C. A.	1302	Buchanan, G. M.	440
Adams, C. E.	180	Beggs, C. A.	834	Buchanan, Robert M.	960
Adams, F. B. Jr.	180	Bell, James T.	1298	Buckwalter, Tracy V.	†536
Adams, J. V.	526	Bell, L. G.	536	Buffmire, E. O.	170
Affleck, David C.	630	Bennish, W. R.	1302	Buford, Jack W.	524, *734
Aker, J. C.	1062, 1198	Bennett, B. W.	962	Bullock, Charles J.	748
Akers, J. B., Jr.	1070	Bennett, Edgar	74	Bump, Wilson A.	736, 834
Albright, Dr. Charles E.	†334	Benson, A. E.	624	Bunn, H. L.	†326, †422
Aldag, Jr., Robert	748	Bentley, F. H.	1064	Burdakin, J. H.	834
Alderson, A. D.	1062	Berg, A. C.	1064	Burke, Edward F.	624
Alexander, W. T.	948	Bergano, William J.	324,	Burpee, C. Miles	960
Allen, G. A.	836	Bernes, Robert B.	1302	Bussey, J. C.	169
Allen, L.	324	Bevan, W. H. B.	1302	Button, Arthur P.	†76
Allen, M. B.	1300	Billo, J.	950	Byer, E. H.	1308
Allen, M. L.	834	Bilsland, B. F.	1208	C	
Ambrose, J. R. W.	†952	Pisbee, R. D.	622, 624	Cable, Ward J.	†962, 1062
Ames, Kenneth F.	80	Bladholm, Albert G.	†964	Cameron, J. T.	950
Ancell, W. R.	624	Blair, David W.	948,	Campbell, C. N.	736
Anderson, Andy	956	Blair, Tom A.	*522	Campbell, G. P.	950
Anderson, Arthur J.	322, 422	Blakeslee, W. S.	82	Campbell, J. A.	1304
Anderson, Cecil F.	1062	Bledsoe, L. V.	170	Cantwell, L. C.	834
Anderson, Elmer	334	Blosser, R. E.	168,	Carden, George H.	332
Anderson, Harold T.	844	Blumenthal, S.	1198	Carpenter, G. F.	1078
Anderson, Harold T.	332	Boehm, Arthur S.	440	Carpenter, O. W.	180
Anderson, Lloyd A.	332	Bogart, Eugene S.	180	Carpenter, R. H.	732
Archer, T. A.	169	Bogle, W. H.	950	Carroll, J. F.	530
Armstrong, John E. Jr.	422, 522,	Bolling, James P.	1298	Carroll, O. T.	736
Armstrong, Victor C.	1300	Bomar, K. E.	1304	Caswell, J. R.	832, 1300
Ashcroft, A. E.	532	Bone, I. D.	180	Catching, W. R.	170
Atkinson, T. J. Jr.	76	Bonfardin, Louis P.	736	Chadwick, John E.	1068
Ault, J. H.	322,	Bonfardin, L. T. J.	624	Chandler, H. S.	1202
Aurand, C. L.	1304	Bcock, A. C.	844	Chappell, Benjamin	1302
Aydelott, James M.	522	Boone, I. M.	170	Charles D. Yarbrough	†738

B

Baffa, J. J.	834,	1202	Bowman, H. Merrill	624	Church, H. M.	170, 1070
Baker, J. L.	1302	Boyd, George E.	*†626	Cipiti, Anthony	526	
Baker, W. F.	950	Boyer, G. A.	322	Clark, M. W.	*524	
Baldwin, George A.	80	Boyle, T. E.	730	Clauising, E. L.	170,	
Baldwin, Robert D.	1064,	Bradley, A. C.	830	Clements, Mark A.	184	
Barber, Harry H.	1304	Bradshaw, Max	956	Close, D. C.	169	
Barksdale, J. H.	169, 170,	†1078	Brandimarte, A.	1304	Clutz, J. J.	524, *832
Barr, Allen I.	1070	Brannon, C.	1298	Coxes, R. H.	964	
Barranco, S. J.	1066	Brashears, John W.	432	Cochram, James B.	1198	
Barrett, Karl E.	334	Briggs, James	950	Cockerham, E. C.	76	
Barrett, W. G.	82	Brightwell, C. J.	1202	Coleman, R. S.	1304	
Barron, J. C.	1200	Bristol, Belsur	950,	Collier, George R.	624, 736	
Barron, J. E.	1062	Bristol, Raymond M.	422	Collier, J. C.	1208	
Bateman, W. H. S.	180	Bronson, C. B.	*948	Conrad, H. A.	†76	
Baumer, Scott D.	180	Brown, C. A.	1208	Conrad, W. D.	534	
Bausch, Harold R.	624,	†732	1302	Conklin, W. P.	1302	
Baylor, G.	524	Brown, M.	834	Conrad, J.	948	
Beard, John L.	*80	Brown, W. S.	1302	Cook, S.	1200	
Bebb, J. E.	622	Brownell, J. A.	956	Connor, H. A.	76	
Beckel, J. L.	75	Bruce, Robert J., Jr.	1064	Conrad, W. D.	424	
Becker, A. L.	1062	Brown, G. M.	169	Conway, John S.	1068	
		Brunn, Donald E.	1300	Cook, S.	1200	

Coolidge, T. B.	170	Fitzgerald, J. T.	950	Hatch, H. C.	82
Cooper, J. H.	830	Flanagan, S. V.	1298	Haughton, C. G.	1308
Cooper, J. T.	950	Fleckenstein, N. L.	832	Hayslip, R. B.	169, 170
Cooper, R. E.	736	Fleming, E. M.	1311	Haywood, Allen E.	1198, 1300
Cordes, William H.	630	Florsheim, Leonard S.	1068	Hazer, R. V.	74
Cornell, Russell S.	80	Fonda, Robert S.	1200	Heacox, A. J.	950
Corrigan, C. P.	1070	Ford, Charles A.	834	Heacox, N. J.	170
Cothran, Frank	1066	Foreman, James E. Jr.	1064	Heaslip, Frederick J.	532
Covert, Kenneth B.	534	Forrester, J. L.	950	Hedberg, E. D.	1304
Cowley, James	952	Fouts, Kerby	170	Hedgecock, D. J.	844
Cox, John J.	324	Fouts, William T.	170	Heinberger, V. W.	964
Cox, Marow W.	1062	Foy, Fred C.	848, 964	Heimendinger, Walter E.	169, 424
Cox, W. K.	182	Frame, Walter O.	522	Hiepke, Danforth K.	748
Coyer, A. L.	426	Francis, Bert F.	424	Helbush, A. W.	440
Cramer, Lynn	170,	Francis, E. B.	1302	Helm, F.	624
Cranwell, James L.	1298	Frank, Pardee H.	334	Helmle, C. E.	526
Creedle, Fred W.	169,	Frankland, George R.	532	Henry, C. O.	1066
Crites, George S.	168	Franks, Carl D.	436	Herlehy, D. J.	170
Croisant, Clarence E.	1210	Fraser, J. D.	74	Herlehy, F. J.	170
Crowe, P. L.	736	Fredericks, S. H. Jr.	1302	Herrick, C. C.	422
Crumpler, B. E.	830	Freeman, L. D. Jr.	526, 834	Hershey, M. L.	170, 1064
Cudworth, W. O.	1300	Freseman, C. J.	1064	Hestle, J. S.	948
Cummings, E. M.	1302	Friery, John S.	1724	Heuser, John E.	334
Cunningham, F. C.	169	Fryer, Harvey C.	834	Hewes, F. S.	1426, 7522
Cunningham, Jr., J. R.	948	Fuhr, W. E.	322	Hewitt, L. B.	169
Currier, C. H.	964			Hickey, S. Wayne	*960
Curtiss, H. M.	170			Hickok, B. M.	1066
Cushing, J. T.	956,	1078		Higginbottom, William P.	324, 426
				Hildebrand, H. S.	76
				Hill, E. B.	82
D				Hill, John A.	432
Dahmer, Harry F.	1066	Ganner, W. R.	1302,	Hillis, William H.	168, *320
Danby, Spencer	1200,	*1302	1064,	Hillman, Arthur B.	1064, *1196
Dancy, H. R.	834	Garner, W. R.	1302,	Hiltzbeitel, W. E.	526
Daniels, B. E.	832	Gault, R. H.	74	Hiltz, John P. Jr.	422, *526
Datesman, John P.	832, 1064,	1200	74	Hindahl, David	*536
Daugherty, B. C.	726	Gaylor, Charles H.	774,	Hiner, John T.	834
Davis, A. M.	432	Gearhart, George W.	776,	Hinman, Willis E.	1196
Davis, John J. Jr.	180	Geib, H. R.	424	Hise, C. E.	1064
Davis, Joseph F.	830	Geiger, C. A.	1308	Hite, Joseph J.	*182
Davison, J. F.	1302	Gibbons, Walter Roy	424,	Hoachlander, N. L.	526
Dawson, Cecil F.	436	Gibbs, J. H.	528	Hoefel, D. E.	1298
Day, E. G.	169	Gibson, W. H.	426	Hogston, L. W.	324
Dayett, G. H. Jr.	1304	Giffin, F. B.	76	Holbert, W. H.	334
Dayton, D. C.	736	Gifford, Samuel H.	736	Holcombe, Tom	848
Deblin, G. W.	74	Giles, J. M.	732	Holland, W. H.	736
DeBlois, K. L.	734	Gilhooley, T. E.	1298	Holmberg, V. V.	1064, *1298
Deems, Edward M.	1536,	*1634	1308	Hood, Howard L.	1064, 1304
DeMoss, R. M.	834	Gilkison, G. C.	1300	Hoopes, E. L.	736
Dempsey, Nelson W.	334	Gill, J. H.	74	Hornet, William H.	*550
Denio, Donald S.	736	Gilley, J. G.	168	Hornby, L. H.	624
Dennis, Herbert G.	422,	Gloster, Arthur B.	1198	Hotard, A. E.	1062
Dennis, R.	1302	Goodfellow, T. M.	320, 322,	Hoth, H. A.	334
Deno, L. J.	1064	Goodhue, Allan E.	830	Hough, William S.	532
Denton, J. A.	526	Goodwin, Ben H.	734,	Houston, W. O.	74, 169
Derrick, J. R.	830,	*836	1062	Howard, L. W.	426
Devonish, William R.	622	Goddard, M. E.	950	Hubbard, Millard J.	169, 170,
de Villera, R. A.	1302	Goddard, A. C.	170	Huffman, Frank C.	424
Devine, B. F.	180	Godley, G. L.	1198	Humphreys, R. W.	422
Dey, V. A. G.	622	Gloster, James K.	424	Hunt, Harmon A.	322, 326,
Dickson, F.	1302	Gluck, Harry A.	324	Hunt, T. A.	422
Dierner, Rubin J.	736,	736	324	Huntley, N. I.	1300, 1302,
Dierking, R. F.	1064	Goddard, M. E.	1062	Hurd, Noble	1304
Dierska, F. C.	582	Gould, Jack	532	Hurley, Neil C.	1068
Diffenderfer, J. W.	170	Goulding, Frank R.	956	Hutcheson, Thomas B.	*1300
Dillenbeck, Clark	1202,	*1308	956	Hutcheson, W. A.	834
Dimond, H. G.	1062	Gove, E. T.	170,	Hutton, F. S.	622, 832
Dodson, Fred	836	Graham, George R. P.	524, 832,		I
Donlevy, W. J.	1308	Grant, J. L.	1302,	Ingersol, Colin M.	*626
Donoho, W. T.	622	Gravel, J. H.	1066,	Irving, T. T.	*76
Donovan, Harold E.	956,	*1311	1066,	Iverson, Ellsworth M.	184
Doty, Winfred E.	76	Green, Edson K.	1066,		J
Douglass, F. A.	1208	Green, J. C.	774,	Jackman, C. E.	1302
Druml, John	1070	Green, S. T. W.	774	Jacobs, J. C.	422
Drummond, George F.	*424	Greenberg, D. X.	730	Jacobsen, W. B.	1062
Dunkle, R. S.	832,	Greeen, Allen J.	730	Jaclek, W. M.	832
Dunn, K. E.	74	Greer, T. B.	426	Jamison, R. W.	430
Dunn, Samuel O.	334	Gresham, John A.	1308	Jeffords, Lawrence S.	74
Duresky, Frank Jr.	950,	1202	1062	Jensen, H. W.	832
Dyer, W. G.	522,	*736	1062	Johnson, A. A.	422,
			832	Johnson, G. C.	424
				Johnson, Lester	324
E				Johnson, L. V.	1062
Eaton, G. C.	438	Gretzinger, William C.	832,	Johnson, Maro	*75
Ebbena, John	76	Griphths, F. C.	*1062	Johnson, Raymond B.	180
Eberling, Herman S.	184	Groves, F. C.	950	Johnson, W. H.	324
Eberly, G. F.	1302	Groves, W. H.	1070	Johnston, Claude	948
Edwards, John Jr.	1196	Grainger, W. H.	624	Johnston, William L. D.	830
Egan, J. E.	1302	Grainger, W. H.	1062	Jones, Benton J.	830
Egbert, Randle O.	1300	Grainger, W. H.	76	Jones, Edward B.	1304,
Eisenhardt, C. H.	964	Grainger, W. H.	736	Jones, Elmo W.	438
Elkind, B.	422	Grainger, W. H.	1298	Jones, Frank A.	*436
Elmes, W. T.	75	Grainger, W. H.	1311	Jones, R. A.	1302
Emerson, R. A.	*424	Grainger, W. H.	1311	Jones, T. F.	736
Emery, K. M.	834	Grainger, W. H.	1311	Jones, W. C.	168
Englert, Eugene R.	1198	Grainger, W. H.	1311	Jones, W. J.	736
Engman, Norris V.	*836	Grainger, W. H.	1311	Jordan, R. D. Jr.	324
Erek, F. W.	324	Grainger, W. H.	1311	Jordan, William F.	1208
Etter, H. P.	80	Grainger, W. H.	1311	Jorlett, J. A.	1062,
Evans, J. T.	526	Grainger, W. H.	1311	Joslin, Otto	776
Evans, John	1170	Grainger, W. H.	1311		K
Evans, L. A.	522,	524	1311	Kay, J. S.	834
Ewert, A. F.	624	Hanson, C. H.	1311	Keeley, William C.	432
Exley, H. L.	168	Hanson, M. A.	1311	Keen, D. H.	950
		Hart, Francis C.	1311	Kelso, Rush A.	1302,
		Hart, William G.	1311	Kempfert, Walter W.	1308
		Hart, William G.	1311	Kendall, W. H.	1070
		Hart, William G.	1311	Kern, C. M.	1304
F		Hart, William G.	1311	Kerns, Max E.	1066
Fahnstock, T. M.	184	Harris, Dewey H.	1064,	Kerns, W. V.	832
Falk, Harold S.	334	Harris, F. M.	1304	Kerr, C. T.	74
Farr, John W.	834	Harris, Guy W.	422,		
Fast, H. J.	622,	1302	*522		
Faulkner, William J.	536	Hart, William A.	*1208		
Ferguson, J.	622	Hartnett, J. T.	76		
Fetters, Russell B.	830,	1302,	1308		
Field, G. L.	1298	Hartzog, W. L. Jr.	524,		
Fielding, C. T.	75	Hasler, Thomas B.	524,		
	168	Hass, Sam	180		
		Hasty, E. T.	624		

Ketcham, Kenneth R.	320	Mays, J. W. N.	1066	Piper, J. F.	322
Kiley, J. P.	*732	Mays, R. L.	1300	Plow, G. L. P.	622, 1302
Kilmiller, George F.	536	Meek, H. V.	624	Poor, Fred A.	*632
King, H. F.	422	Mellor, W. E.	524	Posner, Harry	75
Kingsman, W. A.	624	Melville, H. H.	336	Pratt, H. A.	80
Kinzel, E. E.	522, 524	Menary, R. H.	832, 1196	Prayso, John	170, 1064
Kirschner, J. M.	834	Mendashall, L. W.	1310	Prekschat, R. W.	748
Kleinhardt, Joseph P.	*440	Meredith, W. E.	76	Price, Rex	169, 624, 834
Kleist, R. E.	170	Merrikon, C. W. Jr.	336	Pringle, J. F.	622
Klinedinst, L. M.	956	Mersmann, Joseph T.	736, 834	Proffitt, Gordon H.	430
Knight, W. B.	526	Messenger, Frank D.	1311	Purdy, Harry E.	964
Knowles, Clarence Richard	*1952	Meyers, B. R.	832, *1060	Putnam, Roy W.	422, *624
Kohlmetz, A. R.	532	Miesse, W. H.	74	Putney, W. K.	1304
Kolout, H. G.	522, 526	Miller, C. E.	169		Q
Kulick, P. N.	834	Miller, Charles J.	180	Queen, John R.	532
Kullmann, E. G.	536	Miller, G. W.	1300	Quigley, Michael J.	169
Kusz, William	1310	Miller, H. L.	624		R
		Miller, I. C.	*436	Racine, L. F.	*169
L		Miller, J. V.	180	Radspinner, W. A.	1308
LaCrosse, Emmart Jr.	530	Miller, L. H.	1064, 1196	Raessler, V. D.	1304
Laird, W. E.	732	Miller, M. B.	834	Rake, D. D.	170
Lansdale, John	736	Miller, Ross	82	Rankin, A. J.	422
Lavallee, James L.	*440	Milton, C. W.	1062	Ray, W. S.	1304
Laying, F. R.	*1060	Mingus, T. G.	832, *1198	Reade, Charles F.	956, 1070
League, W. T.	424	Minter, Harry C.	832, *1198	Reade, Harry W.	*736
Lee, F. L.	424	Minton, L. E.	624	Reading, A. J.	334
Lee, L. E.	*336	Moe, John	736	Reagen, Thomas J.	624
Lehon, Thomas B.	*1078	Mohler, J. W.	184	Reid, M. S.	1064
Leighton, R. F.	834	Moore, James D. Jr.	424, 526	Rhoades, Orval	1304
Leinard, J. W.	832	Moore, John H.	*1202	Rhode, R. R.	422
Leland, Benjamin T. Jr.	624, 950	Moore, I. A.	1298	Rhodes, William R.	168, 222
Lemon, Fred L.	834	Moore, Philip W.	*632	Riley, C. R.	322
Lewis, Arthur C.	*440	Moore, Whitley B.	956	Ritchey, Neil F.	634
Lewis, F. H.	1302	Morgan, H. P.	170	Robbins, J. F.	1064
Lewis, R. C.	748	Moriarty, Kenneth L.	*169	Roberts, C. A.	*1195
Lewis, Walter P.	964	Morrison, H. A.	*169	Roberts, N. B.	1300
Lex, Jr., Charles E.	734	Morrow, F. E.	1064, *1196	Roberts, W. A.	334
Lincoln, John J.	*846	Morrow, Wilson	168	Robinson, W. C. E.	1300
Lindsay, W. H.	76	Morse, Charles H.	*1836, *1948, *1952	Rochester, William H.	*624, 622, *736
Lindsey, George C.	168, 422	Mosher, L. G.	1308	Roe, Emil W. K.	182
Lindsey, Robert B.	75, 1298	Mumford, John P.	830	Roebuck, R. T.	324
Lineberger, C. H.	1060	Munford, T. A. S.	622	Rogan, John E.	422, 1195
Linn, G. A.	1064	Munson, Charles S.	432	Rolf, A. F.	430
Lippe, Romeo	170, 736	Murray, C. B.	422	Roller, R. S.	526
Little, John G.	*846	Murray, J. R.	1062, 1064	Rolston, F. E.	624
Livingston, Harold T.	169, *324, 950,	Murray, Samuel	1300	Romberger, R. L.	526, 736
Logan, Robert F.	*74	Myers, F. J.	1302	Roose, M. A.	1295
Longenecker, E. A.	82	Myers, J. B.	1200	Roper, Edward H.	180
Lovell, S. S.	324	Mytel, LeVere E.	170, 324	Rose, L. S.	422
Lowder, Robert L.	532	Neal, James Y.	*734	Rosell, E. B.	1311
Loy, Fred F.	1068	Nearring, Max	422	Ross, W. E.	322
Luhn, W. R.	74	Nearring, Max	830, *1062	Roth, E. H.	830
Lundie, James	622	Nearring, Max	950	Runnells, G. W.	169
	1200	Nance, J. B.	948		S
Lyne, James G.	334	Nash, D. O.	184	Sabins, R. S.	735
Lyons, E. T.	834	Natzel, LeVere E.	170, 324	Sage, Truman E.	82
Lyons, S. C.	1064	Neal, James Y.	*734	Salerno, Alexander	169
		Nearring, Max	422	Sampson, Richard E.	736
M		Nearring, Max	830, *1062	Sanders, William F.	736
McAllister, Frank E.	*1311	Nearring, Max	950	Santangelo, Gustave J.	424
McBride, J. D.	1304	Nelson, Elmer	1304	Sargent, G. A.	168, 170
McCallum, Newton W.	75, 422	Nelson, W. O.	1302, 1304	Saunders, H. W.	334
McCarren, R. J.	*822	Nebeit, William D.	532	Sauve, J. D.	834
McCart, W. T.	1198	Netherton, Thomas C. Jr.	170, 326	Savage, Don G.	956, 1964
McChesney, A.	76	Newell, Jr., James P.	1304	Savage, W. J.	948, *1064
McClain, Robert R.	1062	Newman, J. D.	736	Sawyer, J. G. A.	945
McColgan, H. B. Jr.	834, 422	Newson, Jr., John F.	734	Saylor, William S.	745
McColgan, W. E.	830, 834	Nichols, E. E.	169	Scherer, W. H.	80
McCook, J. F.	526	Nichols, E. W. P.	1202	Schick, F. A.	844
McCoy, V. E.	1208	Nies, W. L.	80	Schmid, E. R.	*956
McCrann, J. M.	*432	Nugent, W. A.	1068	Schmid, R. L.	1062, *1066
McCullly, C. A.	736			Schmidt, Russell S.	430
McCullly, M. H.	834			Schmus, George A.	*630
McDiarmid, Charles	730	Oberdorf, R. E.	1300	Schofield, C. E.	1295
McElheney, C. L.	834	O'Brien, T. J.	326	Schofield, John	424, *526
McFadden, J. H.	622	O'Bryant, O. G.	426	Schreiber, Karl O.	*1210
McGiffert, E. J.	*534	O'Connell, D. V.	526	Schudt, Harold M.	334
McGiffert, Julian E.	*436	O'Connor, James T.	748	Schulitz, R. G.	322
McGovern, L. A.	1311	Olson, Andrew	*1326	Schulz, Robert C.	180
McGraw, William J.	170	Osland, E.	522	Schwabe, L. J.	624
McGrenera, James R.	1068	Ouwenel, Samuel W.	1070	Schwartz, V. M.	1064
McGuire, Dr. Walter G.	524, 834	Owens, C. W.	170, 950	Scofield, J. R.	*74
McLwain, S.	834			Scott, H. L.	324
McKay, F. W.	326			Scott, R. P.	165
McKnight, L. B.	624			Scott, Russell G.	170, 324
McLaughlin, R. E.	180	Packard, B. G.	169	Scott, W. W.	1200
McMahon, E. J.	1198	Page, A. N. Jr.	170	Scribner, Samuel H.	1060
McMurtrie, R. L.	76, 170	Painter, J. F.	1304	Seibert, G. J. H.	76, 170
McNamara, W. T.	170	Paisley, Frank R.	75, *322	Senseney, A. C.	1210, 1664
McPherson, John W.	834	Parent, A. C.	834	Serviss, C. F.	*1064
McReynolds, J. W.	322	Parrish, C. G.	736	Sessions, O. H.	522
Mabe, R. W.	1062, *1298	Parsons, Hayes	1206	Shadrake, B. J.	1195
MacBryde, A. J.	*436	Parvin, C. F.	834	Shamblin, R. E.	834
MacCorkle, E. W. Jr.	334	Parvin, Charles F.	832, 834, 1200	Shaw, William J.	1195
Mackley, Walter E.	962	Paterson, T. F.	962	Shea, LeRoy J.	624
MacLean, Gordon E.	536	Patterson, N. P.	526	Shelkey, L. D.	1060, 1064
MacNeil, Donald A.	960	Peabody, J. T.	624	Shenefeld, P. W.	1202, 1304
Madison, F. W.	950	Perrier, E. K.	76, 624	Shepard, Howard M.	422, 524
Maggi, E. J.	1302	Pearson, R. L.	948	Shepard, Kenneth O.	76, 170
Maher, J. J.	168, 170	Pelton, Lynn A.	170, 324	Shieber, J. H.	1062
Malcolm, Young	832	Pendock, C. W.	82	Shier, R. A.	832
Malloy, John F.	736	Pergrin, D. E.	1064	Shoemaker, Paul M.	333
Maloney, Thomas F. Jr.	324	Perkins, Albert D. Jr.	948, 1300	Shoemaker, W. H.	333
Manning, H. W.	526	Perlman, Alfred E.	*168, 169	Sierleja, Edward J.	950, 1304
Manson, Alex	736	Perrier, J. L.	1064	Silbsee, Charles H.	534
Mapes, S. L.	*624	Perry, C.	836	Simmons, P. T.	524
Marcotte, E.	950	Perry, G. H.	1304	Simpson, Roger U.	745
Martotta, D. J.	1304	Pettewe, W. F.	736	Sines, B. S.	320, 522
Marshall, A. J.	76	Pevler, H. H.	*796	Sipe, H. D.	170, 174
Martin, C.	324	Phibrook, Charles F.	832, 834	Sloatman, W. S.	170, 174
Martin, J. Gardner	436	Phillips, Hugh J.	*76		
Martin, Lyle L.	536	Pickrel, J.	529		
Martin, Russell W.	536	Pike, H. G.	1302		
Matthews, H. T.	1302	Pinson, J. F.	75		
Matthews, P. R.	1198	Plass, Curtis E.	422		
	1202		964		

Slocumb, R. C.	1200	Thornburg, Ernest R.	324	Weaver, W. K. Jr.	168.	169
Slettman, Dr. G. V.	180	Thorvaldson, S.	169	Webb, C. J.	170	
Smedley, P. C.	624	Tiedt, J. E.	1308	Weber, Charles S.	634	
Smith, David L.	1308	Titlow, W. S. Jr.	526	Welty, Harry T.	75	
Smith, George M.	524,	Topolinski, J. J.	1070	Wenzel, Roger W.	848	
Smith, G. R.	169	Towle, C. L.	732	Wernsdorfer, R. A.	1311	
Smith, H. F.	1298	Towne, J. D.	82	Wert, Edwin A.	848	
Smith, J. S.	1300	Trax, T. T.	1064	Wertenberger, Howard C.	522	
Smith, Morton S.	830	Trotter, D. M.	75	West, Joseph G.	622,	*948
Smith, T. G.	332	Tucker, T. T.	1200	Westcott, George R.	732,	948
Smith, Thomas H.	536	Turnbull, M.	1202	Westenhoff, A. M.	168,	324
Smith, W. V.	1298	Turner, Walter L. Jr.	*836	Westergren, R. A.	76,	1304
Smucker, David E.	422	Turnlund, John P.	1064	Westwood, J. W.	74	
Snyder, E. F.	422,	Twomey, J. F.	76	Wheeler, J. E.	832	
Sockwell, Earnest H.	848		White, Charles H.	*824		
Soucy, J. F. D.	1064		White, E. A.	526,	624	
Spain, J. P.	440		White, J. C.	*730		
Sparks, W. H.	*1066		Whitmore, H. F.	*1300		
Speaker, D. A.	76		Whitworth, R. F.	82		
Spicer, George	†426		Wieder, E. H.	622		
Spoor, Dale D.	*430,		Wiggins, J. C.	1066		
Starr, James B.	324		Wilbur, William	169,	832	
Stephenson, Kenneth E.	169, 170, 422, 1196,		*182	Wilcox, S. C.	1200	
Stewart, R. E.	1198		436	Wiley, C. C.	536	
Stolte, L. W.	1068		424	Wilhide, Jr., G. C.	1311	
Stone, Arthur B.	532		322	Wilkinson, J. M.	526	
Stone, J. L.	*734		424	Wilson, Gerald W.	1208	
Stone, M. L.	1304	Vaill, C. M.	*74	Wilson, J. G.	526	
Stone, Richard M.	170,	Valentine, J. J.	736	Wilson, T. H.	736	
Stone, Robert J.	536	Van Schaick, C. L.	1302	Wiltsee, W. P.	*734	
Stotler, J. T.	320	Vance, R. M.	1302	Winburn, T. A.	426	
Stott, L.	622	Vaughan, G. C.	76	Winship, L.	168	
Stoughton, F. A.	834	Visintainer, Alfred A.	182	Winsor, Q. J.	956,	1076
Stratton, H. O.	844	Von Behren, Gustave	1298,	Winters, R. W.	1068	
Strohl, L. S.	526	von Sprecken, Theodore M.	*1202	Wintoniak, S. G.	424	
Strother, Ralph R.	76,	Waddell, N. M.	75	Wolfe, D. R.	1064	
Sturgeon, George W.	832,	Walden, M. P.	734	Wolfe, Harry A.	*1210	
Styles, J. B.	834,	Walker, Gerald M.	76	Wolff, A. E.	832	
Suggs, Bruce	1200	Walker, H. D.	1200	Wollett, E. Jr.	526	
Sutherland, D. A.	324	Walker, John A.	76	Womack, H. E.	1298	
Super, W. B.	170	Walker, M. E.	170	Wood, E. O.	836	
Svoboda, G. W.	624,	Walker, William K.	1298,	Woolford, F. R.	732	
Sweeney, Frank M.	168,	Wallace, C. J.	1300	Word, E. R.	75	
	630	Wallace, John C.	950	Worley, Burton J.	*75	
		Wallace, W. K.	1066	Wright, Roy V.	*75	
		Wallace, W. L.	1302			
		Waller, S. J. H.	169			
		Walling, V. R.	1064,			
		Walpole, J. S.	*1196			
		Walsh, J. R.	324			
		Walton, Sublette M.	334			
		Ward, Gilfry	634			
		Ward, William G.	844			
		Ware, W. Y.	1304			
		Waring, Edward H.	1304			
		Warner, G. William	1064,			
		Warr, Harold G.	1070			
		Warren, J. C.	*784			
		Warren, W. W.	524,			
		Watkins, R. C.	526			
		Watkins, Sherman S.	624			
		Watson, E.	1304			
			169	Zabriskie, Albert M.	624,	*736
			440	Zearley, J. P.	1302	
			1304	Zenk, Ben	436	

Eli
En
EseFer
Fif
Fov
FraGar
Gib

INDEX TO AUTHORS

Illustrated articles are noted*

A							O
Adams, L. L.....	65,	1289	Gilkey, R. H.....	163	Ornburn, B. J.....	1291	
Alberts, N. F.....	318,	1051	Gilpin, W. S.....	513	O'Rourke, G. M.....	413	
Allen, M. B.....		1189	Graham, Howard E.....	1292			
Anderson, Alfred B.....		1187	Grear, S. F.....	1186			
Ashley, H. S.....	159,	937	Grove, C. G.....	67			
			Greenwalt, C. E.....	64			
			Grime, E. M.....	159, 824,	1292		
			Groover, R. S.....	394			
			Gunnison, J. B.....	514	Paynter, A. C.....	819	
B					Peck, Ralph B.....	65	
Barnhart, E. H.....	318,	1185	H		Perlman, A. E.....	1159	
Bartel, Walter L.....		1055	Halverson, C.....	1186	Peyser, L. E.....	513	
Batzold, T. E.....		922	Hanley, J. P.....	721	Phillips, G. A.....	614	
Baucum, R. L.....	161,	312	Hanson, M. A.....	722	Piper, J. F.....	1053	
Bechtelheimer, A. E.....	313, 412,	1055	Harding, R. W.....	416	Portell, U. F.....	925	
Bell, John B.....		1290	Harding, W. G.....	1187	Putnam, R. W.....	311	
Benson, L. J.....		937	Harman, W. C.....	724			
Bevers, Harry N.....		942	Harris, F. M.....	611	Rape, L. A.....	64	
Black, W. W.....		812	Harris, G. B.....	1190	Reeder, L. R.....	1054	
Bonse, A. J.....	396, 504, 603,	712,	Harris, G. W.....	394	Reese, A. G.....	413	
Brewer, I. C.....			Haug, S. V. Skaven.....	404	Rice, W. T.....	*143	
Brooks, J. W.....		162	Hayes, C. M.....	722	Robertson, John M.....	822	
Broome, W. S.....		63	Healy, James J.....	820	Rushmer, J. R.....	66	
Brown, E. J.....	163,	941	Hehrman, Fred M.....	612			
Prowne, F. L.....		613	Henderson, R. C.....	1051	S		
Burton, W. J.....		314	Hillman, A. B.....	414	Schaub, J. B.....	1187	
Buss, R. E.....		723	Hiltz, Jr., J. P.....	719	Schlaf, E. R.....	940	
Banks, William G.....		1187	Hirschthal, M.....	315	Schlinskert, Walter.....	820	
C			Hoffman, W. D.....	411	Schram, I. H.....	1052	
Campbell, F. G.....		611	Hoffmeister, H. M.....	1053	Schroeder, A. W.....	66	
Chapin, S. L.....	*283		Hornung, K. E.....	939	Schwinn, F. S.....	938	
Chapman, A. B.....		940	Howes, C. P.....	821	Scofford, J. R.....	1185	
Cheskin, Louis.....		164	Hubbard, M. J.....	515	Simmons, R. G.....	163	
Chubb, J. E.....	1053,	1189	Huber, A. F.....		Smith, C. A.....	160	
Chumley, C. M.....		723	J		Sparks, W. H.....	164, 312, 410, 414, 615,	
Church, H. M.....	613,	1027	Jackson, T. E.....		Spencer, Lee.....	941	
Clarke, H. R.....	610,	938	Jensen, Russell S.....		Spofford, F. R.....	821	
Condon, Malcolm E.....		63	K		Salecy, G. L.....	1055	
Corning, L. H.....		158	Kellogg, H. W.....	616	Sweet, W. A.....	516	
Coverley, C. O.....		315	Kelly, W. L.....	937	T		
Croft, P. H.....		161	Kershaw, Royce C.....	*278,	Teal, D. C.....	512	
Cunningham, K. H.....		718	Kniffen, R. S.....	314	Torbert, R. W.....	*51,	
D			L		Tremaine, H. M.....	940	
Daley, C. A.....	*50		Larson, E. T.....	411	Turley, C. D.....	314,	
Demcoe, J. W.....		1291	Leak, V.....	1292	U		
Daniels, A. S.....		823	Lee, Floyd J.....	415	Unzicker, E. M.....	*155,	
Darden, W. L.....		942	Lindsey, William.....	164, 511, 611, 615,	1288		
Datesman, J. P.....		517	Lord, W. H.....	807, 918, 1155, 1188,	Van Arsdalen, C. I.....	1189	
DeGeer, B. W.....		412	Leigh, V.....	719	Van Stratten, C. C.....	311	
Denz, Leo.....		942	McBriar, Ray.....	1280	Visintainer, A. A.....	161,	
Defenderfer, J. W.....	1050		McCurdy, H. E.....		Visintainer, A. A.....	1274	
Donahue, G. T.....		500	Meyers, B. R.....		W		
Doty, W. E.....		824	M'IlMoyle, R. L.....		Weccheder, H. J.....	615	
Duncan, H. R.....		824	Martens, W. F.....		West, Troy.....	66	
Dunn, W. M. S.....		818	Mayer, H.....	68,	Westcott, G. R.....	59	
E			McBrian, Ray.....		Wicker, W. S.....	415	
Eliel, Leon T.....		720	Meyers, B. R.....		Wilbur, O. G.....	942	
Engle, T. J.....		1051	M'IlMoyle, R. L.....		Winkelhaus, L. C.....	68, 416,	
Essman, A. L.....		1052	Misch, Franz M.....		718		
F			Morrison, R. H.....		Wise, Edward, Jr.....	514	
Fero, C. L.....		411	Murdock, B. M.....		Woodley, C. R.....	1289	
Field, H. F.....		315			Y		
Fowler, A. B.....		312			Yewell, J. E.....	614	
Frame, W. O.....		65			Z		
G					Zeller, Anne.....	512	
Gammie, R. J.....		64					
Gibson, W. D.....		316					
N							